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## October 2016 Edition

### October Meeting Minutes

Russ Ramirez, K0WFS called the meeting to order at 1:00 PM. 16 were in attendance.

Meeting minutes from September 2016 were approved.

#### **Old Business:**

- Russ discussed year end business. The type of presentations the club would like to have was discussed. Possible topics included: Emergency Services, Storm Watchers activities & needs and DMR radio

#### **New Business:**

- The November Build-a-thon was discussed. Russ mentioned that he would send a link to some possible kits. Suggestions were solicited at this time.

Introductions were made around the table prior to Show & Tell.

### Show & Tell

**Dan Kelly**, KC0QHZ, brought in the software defined radio he recently obtained which is contained on a USB stick. There was some interesting discussion about it's operation.

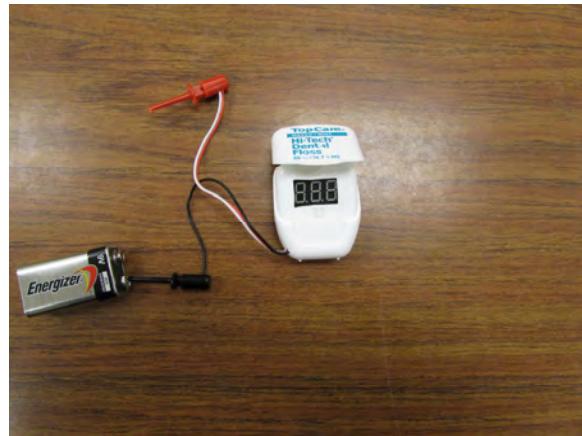


**Bruno Bittner**, KD0SKS, brought a copper pipe and some super magnets to demonstrate an interesting magnetic property – specifically why the magnets take longer to drop through the pipe than a non-magnetized object. An interesting discussion took place and all enjoyed the demonstration.

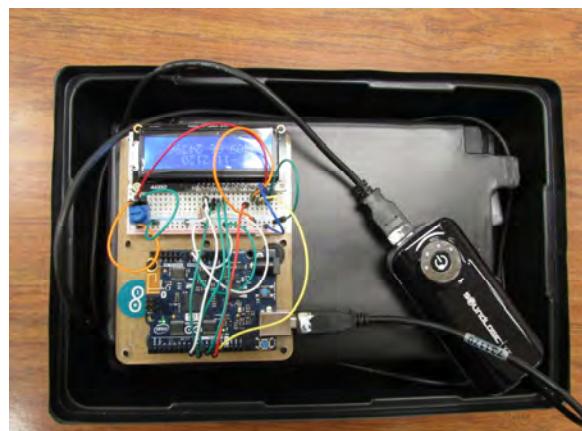


**Steve Ulrich**, NW0C, brought in the third edition of "The Art of Electronics". This updated version takes into account many changes since the previous edition.

**John Haurykiewicz**, KE0DYJ, brought in a DVM he built into a floss container. He went on to explain how he fixed the display on his Nikon camera.



**John Krawczak**, KJ0P, showed us his Arduino 1.01 with accelerometer and gyro sensors. He then gave us a demonstration of how it works.



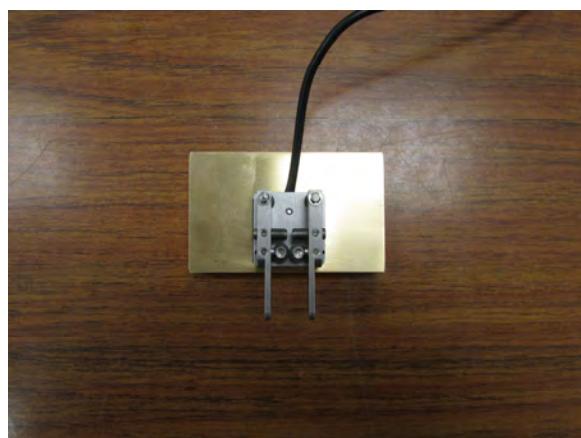
**Mike Burk, KD0JXE**, described the antenna and radio he used for a recent AM contest. He also showed us a code reader he has been using to practice the code.

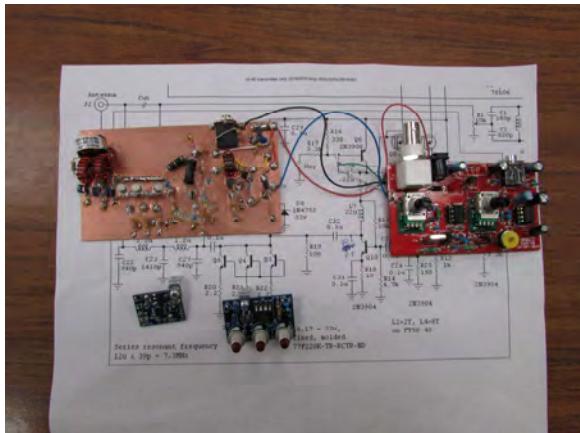
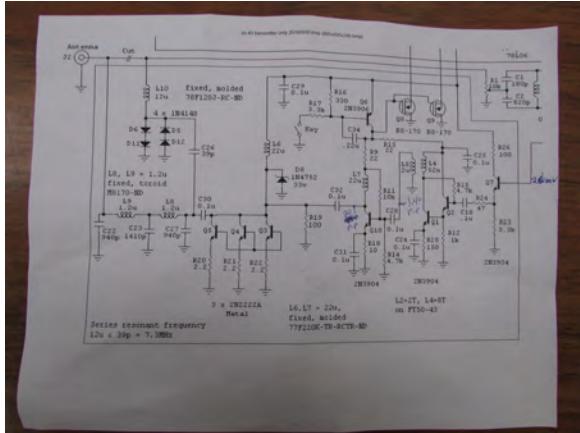


**John Faughn, KD0CAC**, brought in some equipment that the members might find useful. Thank you!



**Craig Johnson, AA0ZZ**, showed us the award he received from the ARRL. Additionally he showed us a new paddle and the latest version of the EZ Keyer. This is a surface mount and through hole design which can be installed inside a rig. Craig also showed us the transmitter for the AA0ZZ receiver.





## October Presentation

**Russ Ramirez, K0WES**, spoke on wireless sensor technologies. Russ provided a number of examples including Zigbee, Zwave and Moteino. He showed us where in the 2.4 GHZ and 900 MHz spectrum the devices operated and what could be expected in terms of range. Russ went on to show how the data could be gathered and displayed on the web with relative ease.



Respectfully submitted,  
Steve, NW0C

### Club Officers:

**President:** Russ Ramirez/K0WFS  
**Vice Pres:** Jeremy Mooney/KC0LDI  
**Secretary:** Steve Ulrich/NW0C  
**Treasurer:** Paul Bushouse/N0TYE  
**At Large:** Craig Johnson/AA0ZZ

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